

ECHO Data Model Review Issues Summary

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			

1	ALL_COLLECTION	All		6/3/2002	Open	<input type="checkbox"/>
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D:Is the Collection level Metadata always visible? Or should this also be under ACL Control? If the Collection is not visible all the granules under it are also not visible then how can the VisibilityRestriction comment on that Collection be made available to the users?

R:Collection level metadata also must be ACL controlled. But if a user is not able to see the Collection then they would not be able to get the VisibilityRestrictionComment (See next Issue) that tells them who to contact to get access to this Collection. Keith suggested that in case a Collection is not visible the Client will still be able to see the Name of the Collection (DataSetID) and the Restriction information.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	IIST	Provider		ACL
ACL		Client		

2	ALL_COLLECTION	Access constraint	Remove	6/3/2002	Open	<input checked="" type="checkbox"/>
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D:Access Constraint is a free text field that doesn't seem to be used very much. Rich Ullman looked at some sample data and it seemed to be filled with the word "None". 7/21- Rich observes that there are some labeled as "access restricted to authorized users."

R:Considering replacing this field by 2 fields, RestrictionFlag that indicates whether there is any kind of restriction and an optional RestrictionComment that would be used to indicate information about when/what is restricted and how this restricted data can be made available upon request.

C:This Issue was further discussed at the meeting on 6/19/2002. Decision made to Replace AccessConstraint with an optional group called Restriction. Define Restriction as <!ELEMENT Restriction ((OrderRestrictionFlag, OrderRestrictionComment)?, VisibilityRestrictionComment?)>

OrderRestrictionFlag will control access to order this data through ECHO. In case some of the data in this Collection is restricted, the OrderRestrictionComment must be filled in by the Provider to indicate information like contact information of person/s to contact if the user wants access to the data if any data in this Collection is restricted. The VisibilityRestrictionComment indicates contact information about person/s to contact to get access to some metadata in the Collection that may be restricted.

A:ECHO must support updating of these fields through the API.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection		Provider	Ingest Collection DTD	ACL
API-Data		Client	Results Collection DTD	
ACL				

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
3	ALL_COLLECTION	Maintenance Update Frequency	Update	6/3/2002	Closed	<input checked="" type="checkbox"/>

D:Not very useful

R:Ask ECS if this field is used. Meeting notes from 6/13/2002 ask to keep this information.

A:Do not remove from DM

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	ECS	Client	Ingest Collection DTD	Model Modifications
API-Data			Results Collection DTD	

4	ALL_COLLECTION	RevisionDate, LastUpdateDateTim e	Remove	6/3/2002	Open	<input checked="" type="checkbox"/>
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D:Revision Date (According to Jon Pals) is the date this entry was first created/updated in any part of the DAAC system, either in Test Mode 1, Test Mode2 or Operations mode. Since ECHO is only concerned with the Operations mode of the DAACs this Date for ECHO would be the same as the LastUpdateDateTime. Rich Ullman says that the Revision Date is associated with the ESDT.

R:Remove RevisionDate from Collection level metadata. LastUpdateDateTime should be redefined in ECHO to be the date the Collection level metadata is last updated at the Provider site.

A:Need to find out if Revision Date and LastUpdateDateTime are the same. Clearly define each datetime field. Analyze the ISO implication on revision date. Revision Date = Update time of the provider's template describing a collection. LastUpdateDateTime = Update time of the metadata at the provider describing a collection. These two definitions need to be validated.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Client	Ingest Collection DTD	Model Modifications
API-Data	ECS	Provider	Results Collection DTD	
Dates	Rich Ullman			

6	ALL_COLLECTION	Type	Remove	6/3/2002	Closed	<input checked="" type="checkbox"/>
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D:From the 2nd meeting (6/13/2002) according to Jon Pals this takes values like ScienceData, QA, Browse etc. Meaning that this field is used to distinguish between Science Data Collections and Collections used for Browse, QA etc. Robin specified that as a Rule ECHO will only accept Science Data Collections. This is an opportunity to convert Collection of Browse for MISR to normal browse for Science Collection. Guy Swope (according to Robin) is already trying to convert ERS Browse to normal browse.

R:Remove Type from ECHO

A:Remove Type

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Provider	Ingest Collection DTD	MultiType Collections
API-Data			Results Collection DTD	
MultiType Collections				

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		

7	ALL_COLLECTIONS	DataSetID	Add	6/3/2002	Closed	<input checked="" type="checkbox"/>
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D:Currently there is no single field that uniquely identifies a Collection for a particular Provider. The Providers agreed (at the Provider Workshop) that the ShortName + VersionId will be unique in their system. The ShortName is not very descriptive and we needed one name that these Collections will be known by. So ECHO recommends that we add a field called DataSetID that will be sent by the Providers during ingest to uniquely identify their collections

R:Provider will send this during ingest as the unique identifier for the Collection in their system

A:Providers should agree on this. Remove the word descriptive. Provider will give ECHO a unique DataSetID--OPS team will validate its uniqueness within ECHO by Provider and guide Provider to what it should look like. ECHO will no longer require ShortName+VersionID to be unique.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection		Provider	Ingest Collection DTD	Model Modifications
API-Data		Client		
Collection/Granule Naming				

8	ALL_COLLECTION	ShortName, VersionID	Update	6/3/2002	Closed	<input type="checkbox"/>
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D:If DataSetID is made the mandatory field that the Providers will send as the unique identifier for their Collections, should ECHO continue to mandate that the ShortName + VerionID be unique for a Provider?

R:Remove the requirement

A:Inform the Providers that this is no longer required.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Provider	Ingest Collection DTD	Trivial Maintenance
API-Data		Client		
Collection/Granule Naming				

9		GCMD_DIF_ID	Add	6/3/2002	Open	<input checked="" type="checkbox"/>
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D:DIF_ID should be added to the CollectionLevel Metadata. A Collection can have more than one DIF and hence more than one DIF_Ids. Should ECHO support multiple DIF_Ids for a Collection?

C:Should this be a searchable field? There may be more than one collection associated with a single DIF_ID.

A:Clarify with Gene that each Collection can have more than 1 DIF_ID

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	GCMD (Gene Major)	Provider	Ingest Collection DTD	Model Modifications
API-Data		Client	Results Collection DTD	
Collection/Granule Naming				

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		
10	ALL_COLLECTION	PRICE	Update	6/3/2002	Closed	<input type="checkbox"/>
<p>D:Clearly Define the Price of the Collection to be the Price of the Collection if it is ordered as a whole. The Total Price of all the granules in the Collection could be more than ordering a pre-burnt CD of the whole Collection. The Provider updates this field directly.</p> <p>C:Perhaps change name to CollectionPRICE.</p> <p>A:Update documentation.</p>						
Categories		Contacts	Stakeholders	DTDs Affected	Issue Grouping	
Collection		Provider	Client		Trivial Maintenance	
DM Definitions			Provider			
11	ALL_COLLECTION	Max Price of Granule	Add	6/3/2002	Closed	<input checked="" type="checkbox"/>
<p>D:Add a field MaxPriceOfGranule to indicate the max price of any granule in the Collection (Missing total price of granules)</p> <p>R:Total price of granules, total size should not be in the conceptual model.</p> <p>A:Remove total price of granules. Leave total size and total number of granules in a collection. ECHO will calculate the total size of granules in the collection and the total number of granules. MaxPriceOfAGranule will be provided by the provider.</p>						
Categories		Contacts	Stakeholders	DTDs Affected	Issue Grouping	
Collection			Client	Results Collection DTD	Model Modifications	
Granule				Ingest Collection DTD		
API-Data						
12				6/3/2002	Closed	<input checked="" type="checkbox"/>
<p>D:Does ECHO need to support MultiType Collections? One option is to eliminate all attributes in the current model that specifically support MultiType Collections in ECS. Another option is to design support for MultiType Collections even if it not implemented.</p> <p>R:Remove all attributes in the current model that specifically support MultiType Collections in ECS.</p> <p>C:In order to design for MultiType Collections ECHO would need to better understand the nature of MultiType Collections and what kind of support will be needed to support Queries and Orders of MultiType Collections.</p> <p>A:There are no requirements for multitype collections in ECHO at this time. ETAL will talk about themed collections.</p>						
Categories		Contacts	Stakeholders	DTDs Affected	Issue Grouping	
Collection		IIST	Provider	Ingest Collection DTD	MultiType Collections	
API-Data		George Percivall	Client			
MultiType Collections						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
13				6/3/2002	Closed	<input type="checkbox"/>
<p>D:ECHO adopted attribute definitions from ECS. For certain attributes ECS definitions may not apply to ECHO. ECHO needs to maintain its own definitions</p> <p>R:Refer to CIP Catalog Attribute Definitions to finalize ECHO Metadata definitions.</p> <p>A:ECHO will update attribute definitions and email them for Review</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	All	Provider		Trivial Maintenance		
Granule		Client				
API-Data						
DM Definitions						
14				6/3/2002	Closed	<input type="checkbox"/>
<p>D:ECHO does not have support for customized Validation at a Collection level</p> <p>R:ECHO should provide a Data Dictionary for Validation. ECHO shall maintain a master list of valid information. Each Provider will have a subset of this master list as its Validation list/Procedure. Each Collection for a Provider will maintain its own list as a subset of the Provider's list and the granules will be validated against the validation list/procedure of the Collection they belong to. As a start the Validation should conform to what is currently being done for EDG.</p> <p>C:ECHO needs to come up with a Validation Schema. Need to confirm with ECHO Ops that the Validation procedure conforms to their guidelines.</p> <p>A:ECHO should design validation approach. High priority.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	ECHO Ops	ECHO Ops		Trivial Maintenance		
Granule						
DM Definitions						
15				6/3/2002	Closed	<input type="checkbox"/>
<p>D:Janet will provide information about MultiType Collections/ Collection Manual</p> <p>A:ECHO needs to review the manual</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection				MultiType Collections		
MultiType Collections						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
16				6/3/2002	Open	<input checked="" type="checkbox"/>
<p>D:Does ECHO need to maintain the metadata about the Planar Coordinate System associated with the Collection?</p> <p>R:Michael Burnett will talk with Stu Doescher whether ECHO should maintain Planar Coordinate System level metadata</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Michael Burnett	Client	Ingest Collection DTD	Model Modifications		
API-Data	Provider		Results Collection DTD			
18	ANALYSIS_SOURCE	All	Remove	6/3/2002	Open	<input checked="" type="checkbox"/>
<p>D:Do we need Analysis Source as a separate metadata? Can this not be represented in terms of Platform-Instrument-Sensor trio? Analysis Source is usually used to represent data with original Source as something like Reports, Charts, Publications etc. People tend to use Platform only when the source of the data is from an aircraft. This is not necessarily true. Definition of Platform can be generalized to mean any originator of data. Most fields of the Analysis source seemed to map to Sensor. Robin also mentioned that this could be for the ECHO Ops team to decide what they want Platform to mean and mandate the Providers send metadata to use Platform even if the data does not originate from an aircraft.</p> <p>R:Bring this Issue up when there is a larger audience and talk with Rich Ullman.</p> <p>C:This Issue was not resolved. No one seemed to remember the main reason for ECS to create Analysis Source as a separate piece of metadata and whether this was really required in ECHO.</p> <p>A:Should we maintain Analysis Source as separate piece of metadata instead of using Platform-Instrument-Sensor? Do we need to add DisciplineTopicParameters group under AnalysisSource</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Rich Ullman	Client	Ingest Collection DTD	Model Modifications		
API-Data	Provider		Results Collection DTD			
			Ingest Granule DTD			
			Results Granule DTD			
19	ANALYSIS_SOURCE	All		6/13/2002	Open	<input type="checkbox"/>
<p>D:How can a Client search for data in ECHO that uses Analysis Source instead of Platform? Currently there is no search criteria on Analysis Source. Do the Clients need to search this data using the "source" mechanism? Or do they use some other mechanism to search this data?</p> <p>R:Get input from the Clients</p> <p>C:Also need to talk to Providers to see who has this kind of data.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Client	Client	AQL DTD	AQL		
Query Language	Provider					

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
20	STORAGE_MEDIUM	All	Remove	6/3/2002	Closed	<input checked="" type="checkbox"/>
<p>D:What is Storage Medium used for? ECHO does not need to know about how the data is stored by the Provider. ECHO Clients may only be interested in knowing whether the data is online or not. That is covered by the OnlineAccessURL.</p> <p>R:Remove from the ECHO DM after conferring with ECS</p> <p>A:Remove it from the ECHO DM.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Granule DTD	Model Modifications		
API-Data	ECS		Results Granule DTD			
21	COLL_REVIEW, GR_REVIEW	All	Remove	6/3/2002	Open	<input checked="" type="checkbox"/>
<p>D:Is the CollectionReview metadata used? ECHO would like to remove this information.</p> <p>R:Find out whether this information is being used, and for what purpose it is being used. Confirm with FGDC/ISO standard. Remove if not being used and not conforming to standards.</p> <p>At the 6/13/2002 meeting it was decided to remove GR_REVIEW but maintain COLL_REVIEW</p> <p>A:ECHO will verify usage with ISO/FGDC. ECS needs to provide whether this metadata information is being provided/used</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Collection DTD	Model Modifications		
Granule	ECS		Results Collection DTD			
API-Data						
22	COLL_LOCALITY	All	Remove	6/3/2002	Closed	<input checked="" type="checkbox"/>
<p>D:What is Collection Locality information used for? It seemed that this field holds free text based spatial keywords. It is decided that ECHO will request additions of new spatial keywords to be added to the GCMD list of valids. Should CollectionLocality still be maintained in ECHO? Guy Swope verified (in an email) that CollectionLocality is not being used by ECS.</p> <p>R:Remove Collection Locality from ECHO DM</p> <p>C:This is related to the Issue on GranuleLocality</p> <p>A:Remove Collection Locality from ECHO DM</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	ECS	Client	Ingest Collection DTD	Keyword		
Spatial	Rich Ullman		Results Collection DTD	Model Modifications		
API-Data						
Keywords						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			

23	COLL_ASSOCIATION	All		6/3/2002	Closed	<input checked="" type="checkbox"/>
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D:Remove CollectionAssociation from ECHO. Not sure what this metadata is used for. Need to confer with Rich Ullman the use of CollectionAssociation information.

Currently we have data from EDC for this field. A sample:

```
<CollectionMetaData>
  <DataSetId>ASTER Level 2 Brightness Temperature at the Sensor V001</DataSetId>
  <CollectionAssociation>
    <AssociatedShortName>AST_L1BT</AssociatedShortName>
    <CollectionType>Dependent</CollectionType>
    <CollectionUse1>Science Data from which AST_04 is generated.</CollectionUse1>
  </CollectionAssociation>
  <CollectionAssociation>
    <AssociatedShortName>AST_09V</AssociatedShortName>
  </CollectionAssociation>
  <CollectionAssociation>
    <AssociatedShortName>AST_09T</AssociatedShortName>
  </CollectionAssociation>
  <CollectionAssociation>
    <AssociatedShortName>AST_07S</AssociatedShortName>
    <AssociatedVersionId>1</AssociatedVersionId>
    <CollectionType>Input</CollectionType>
    <CollectionUse1>Primary input for Level 2 processing </CollectionUse1>
  </CollectionAssociation>
</CollectionMetaData>
```

A:Leave this in the model.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Rich Ullman	Provider	Ingest Collection DTD	Model Modifications
API-Data		Client	Results Collection DTD	

24		Add	6/3/2002	Open	<input type="checkbox"/>
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D:ECHO should support collection search based on period information. Whether the granules are gathered monthly, weekly etc. Does GCMD maintain valids for temporal keywords. Are the periodic keywords (Monthly, Weekly, etc) part of those valids? Do the Providers provide this information currently? Could also be Jurassic, Spring, Paleolithic.

R:This periodic information should be part of Temporal Keywords in ECHO

A:Check with GCMD whether they support Temporal Keywords. Check with Providers/ECS whether this information is available.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Query Language	GCMD (Gene Major)	Provider		Keyword
Temporal	ECS	Client		
Keywords	Provider			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
25			Add		Closed	<input checked="" type="checkbox"/>
<p>D:ECHO Should support search on Spatial Resolution. Current model has LongitudeResolution and LatitudeResolution. Emails from Robin, Chris Lynnes and Tim Rhyne after the meeting suggest that Longitude and Latitude Resolution may be required fields but may not be appropriate metadata to be searched on.</p> <p>R:ECHO must add a field called NominalSpatialResolution that could take values like "25 meters" etc. This field is a number and its unit should be meters.</p> <p>A:Create NominalSpatialResolution as a non-negative real with implied units of meters.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Collection DTD	Spatial		
Spatial	Client		Results Collection DTD			
API-Data						
26			Add	6/3/2002	Open	<input type="checkbox"/>
<p>D:There is a request to add a field called "NominalResolution" at the Collection level that indicates the resolution of the data, e.g. 25 meters, 1 sq. mile etc. Should this field be a text based search or a range search on a number? Does the value in this field depend on the data context like it takes value "25" (meters) for Landsat data but takes value "1" (mile) for some other data. How would range search be performed across all Collections if the units of measure vary?</p> <p>A:This field should be a number in meters. It should be range searchable</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	AQL DTD	Model Modifications		
Spatial	Client			AQL		
Query Language						
API-Data						
27	COLL_SPATIAL_KEY WORDS	All	Update	6/3/2002	Closed	<input type="checkbox"/>
<p>D:How should ECHO maintain Valid for Spatial and other keywords?</p> <p>R:Maintain Spatial Keywords in sync. With GCMD. In the past GCMD has been willing to update their list of keywords on request. ECHO should validate keywords to only come from GCMD list of spatial keywords and have a process to maintain the list in sync. With GCMD and request updates to the GCMD list when found appropriate. Same should be applicable for Temporal and Discipline keywords</p> <p>A:What process should ECHO follow to keep keyword valid with GCMD. Patrick(OPS) will define.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	GCMD (Gene Major)	Client		Trivial Maintenance		
Granule		Provider				
Spatial						
Temporal						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		
28	ADDITIONAL_ATTRIBUTES	All		Update	6/3/2002 Closed	<input type="checkbox"/>
D:Maintain consistency in naming tables/columns for PSAs R:Rename Additional Attributes table as PSA_DEFINITION. Rename columns to confirm to this nomenclature. A:As recommended.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
PSA		Provider		Trivial Maintenance		
API-Data		Client				
29	COLL_PSA	PSA_VALUE	Add		6/3/2002 Closed	<input checked="" type="checkbox"/>
D:ECHO should support PSAs with values at the Collection level R:Add a Value field for the Collection level PSAs. A:As recommended.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection		Provider		Model Modifications		
PSA		Client				
API-Data						
30	DISCIPLINE_KEYWORDS	All	Add		6/3/2002 Closed	<input type="checkbox"/>
D:What fields should be searchable for Discipline Keywords? R:List of valid ECHO Discipline Keywords should be in sync with GCMD. GCMD supports 5 levels of Discipline Keywords. ECHO should continue to do this. Currently ECHO only supports search on the 4th level keywords. ECHO should support search where the user can ask to search in any specific level of the keywords. ECHO should also support search on more than one specific level (implies an AND). C:At the Client Review meeting it was also decided that ECHO should support search on the last 2 levels together for 1 set of specified keywords (implies an OR) A:As recommended.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
Discipline Keyword Stack						
31	ALGORITHM		Remove		6/3/2002 Closed	<input checked="" type="checkbox"/>
D:what level of information should ECHO maintain regarding Algorithms? R:The only information related to Algorithms that ECHO should maintain is AlgorithmName, AlgorithmVersion, and Description. All other information including algorithmContact information should be removed. A:As recommended.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Collection DTD	Model Modifications		
API-Data		Provider	Results Collection DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			

32 CONTACT

Update

6/3/2002 Open



D:How should ECHO maintain Contact information for each Collection?

R:Each Contact should be a Contact Person or a Contact Organization. Each of them should have 1 email, Telephone, ax, Address and URL. The Contact will also have a Role that does not need to be unique for each Collection. Remove Contact information at the Granule level. Contact is redefined as

<!ELEMENT Contact (Role, HoursOfService?, ContactInstructions?, (Organization|ContactPerson)>

<!ELEMENT Organization (OrganizationName, Address, Email, Telephone, Fax, ContactURL)>

<!ContactPerson (FirstName, MiddleName?, LastName, JobPosition?, OrganizationName?, Address, Email, Telephone, Fax)>

<!ELEMENT Address (StreetAddress, City, StateProvince, PostalCode, Country)>

<!ELEMENT StreetAddress (#PCDATA)>

<!ELEMENT City (#PCDATA)>

<!ELEMENT StateProvince (#PCDATA)>

<!ELEMENT PostalCode (#PCDATA)>

<!ELEMENT Country (#PCDATA)>

<!ELEMENT Telephone (TelephoneNumber, TelephoneType)>

<!ELEMENT TelephoneNumber (#PCDATA)>

<!ELEMENT TelephoneType (#PCDATA)>

<!ELEMENT Email (#PCDATA)>

<!ELEMENT FirstName (#PCDATA)>

<!ELEMENT MiddleName (#PCDATA)>

<!ELEMENT LastName (#PCDATA)>

<!ELEMENT JobPosition (#PCDATA)>

<!ELEMENT ContactURL (#PCDATA)>

C:Does any of the Contact information need to be made mandatory? Need to make sure that ISO view documentation maintains a highly descriptive map to the ECHO data model (either science, business or both).

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Provider	Ingest Collection DTD	Model Modifications
Granule	IIST	Client	Results Collection DTD	
ISO	Client			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			

33	ONLINE_UR		Update	6/3/2002	Open	<input checked="" type="checkbox"/>
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D:What kind of URLs should be part of OnlineAccessURL?

R:Collection level OnlineAccessURL should only have URL directly to the data. So only URLs that are direct URL to an ftp/http access to the data itself or a Webpage that enables access to the data online can use this metadata. In addition these URLs must be classified based on URLType. This field should take values from a Valids list. ECHO-Providers and Clients need to come to a consensus to the list of Valid values. Examples that were recommended are "Data", "OrderPage".

C:All other URLs related to the Collection should be specified using Document metadata. See next Issue What URLs are coming from data pool update?

A:Providers should recommend Valids for URLType. Mike Burnett recommends that this kind of Provider should not impact ECHO. The group agrees. Robin will check with Mike Moore concerning whether Data Pools affect this in the representation of metadata links. Create a new field called IndirectAccessURL with no type information. Do not put typing information on OnlineAccessURL. Final action is not yet known. Robin will talk to Mike Moore.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Provider	Ingest Collection DTD	Online
API-Data	Rich Ullman	Client	Ingest Granule DTD	
Online	Guy Swope		Results Collection DTD	
			Results Granule DTD	
			Ingest Browse DTD	

34	COLL_DOCUMENT		Update	6/3/2002	Open	<input checked="" type="checkbox"/>
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D:What URLs should be maintained as Document metadata?

R:All URLs related to the Collection other than the data itself should use CollectionDocument attributes. A set of Valids should be defined for the DocumentType to facilitate GUI clients. "Disclaimer", "ScienceDataTeamWebPage" are examples of DocumentTypes that would facilitate the ECHO clients. DocumentPointer should be renamed DocumentURL for consistency.

C:Can ECS Data Pool's metadata link be a granule document?

A:What should be the list of Valids for DocumentType?

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Client	Ingest Collection DTD	Online
Online	Client		Ingest Granule DTD	
			Results Collection DTD	
			Results Granule DTD	

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			

35	ONLINE_UR		Update	7/16/2002	Open	<input type="checkbox"/>
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D:Now that the OnlineAccessURL can have URLs that directly give access to the data and also those that link you to information that enables to get the data, what results should the Search criteria "OnlyOnlineData" (originally called OnlyOnlineData) return?

R:The URLType values for OnlineAccessURL will take values "Data" and "OrderWebPage". OnlyOnlineData search should only return those Collections/Granules that with at least 1 OnlineAccessURL with URLType as "Data"

C:If we support multiple data formats for the online available e.g. HDF-EOS, GEO-TIFF etc and if we only consider HDF-EOS as Science data that do we also need to limit the results to only those Collections/Granules that have at least 1 OnlineAccessURL with Mime as HDF-EOS? (This is a separate Issue)

A:Dependent on Issue 33.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Client	AQL DTD	Online
Query Language	Client			AQL
Online				

36	ONLINE_UR			7/16/2002	Open	<input type="checkbox"/>
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D:If we support multiple data formats for the online available e.g. HDF-EOS, GEO-TIFF etc and if we only consider HDF-EOS as Science data that do we also need to limit the results to only those Collections/Granules that have at least 1 OnlineAccessURL with Mime as HDF-EOS?

R:Bring in George Percivall and Yonsook Enloe. If there are "types" of OnlineURLs then, it should be possible to search. We might need to add a label to the URL which is probably set at the collection level.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Client	AQL DTD	Online
Query Language	Client			
Online				

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
37			Update	6/3/2002	Closed	<input type="checkbox"/>
<p>D:Currently spatial extent defined as circles are not available as part of the spatial search. Oracle did not support storing the Circle data the way it is being ingested.</p> <p>R: Circles will now be defined as center point and radius in Meters. ECHO will ingest these and the COLL_GEO_CIRCLE table will be removed. The same should be done for Granules with Circle spatial information</p> <p>C:The net result is that providers will be able to ingest data described with a spatial region of a circle (center pt, radius) and clients will be able to search with a spatial region of circles.</p> <p>A:As recommended. Need to get GML to update to accommodate circles.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client		Spatial		
Granule						
Spatial						
Query Language						
Ingest						
API-Data						
38	DISCIPLINE_TOPIC_KEYWORDS		Add	6/13/2002	Open	<input checked="" type="checkbox"/>
<p>D:There are some DisciplineKeywords that have a relationship with the Platform-Instrument-Sensor that the Collections was gathered by. This relationship is not being currently captured by the DM. How best should DisciplineKeywords be modeled?</p> <p>R:<!ELEMENT CollectionMetaData (. . . , DisciplineTopicParameters*, . . .) <!ELEMENT DisciplineTopicParameters (CategoryKeyword, TopicKeyword, TermKeyword, VariableKeyword, DetailParameterKeyword*)> <!ELEMENT CategoryKeyword (#PCDATA)> The elements DisciplineKeyword, TopicKeyword, TermKeyword and VariableKeyword in DisciplineTopicParameters must be required <!ELEMENT TopicKeyword (#PCDATA)> <!ELEMENT TermKeyword (#PCDATA)> <!ELEMENT VariableKeyword (#PCDATA)> <!ELEMENT DetailParameterKeyword (#PCDATA)> <!ELEMENT Instrument (InstrumentShortName, . . . , DisciplineTopicParameters*)></p> <p>C:At the Provider Review meeting the first level parameter was called DisciplineKeyword. It has been changed to CategoryKeyword to be consistent with GCMD.</p> <p>A:Ask John Olson for a sample Collection that defines Geophysical parameters at the Collection level without the reference to Platform-Instrument relationship to the geophysical parameters.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Collection DTD	Keyword		
API-Data		Provider	Results Collection DTD	Model Modifications		
Discipline Keyword Stack						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		
39	ALL_GRANULE	LOCAL_GRANULE_ID, LOCAL_VERSION_ID	Update	6/13/2002	Closed	<input checked="" type="checkbox"/>

D:What do LocalGranuleId and LocalVersionId mean for ECHO?

R:Remove LocalGranuleId and LocalVersionId. According to Jon Pals these are specified by the data producer and not the archive center. ECHO does not have a concept of the data producer as a separate entity from the Provider, so this information does not appear to be relevant for ECHO. Redefine the VersionId field in the ALL_GRANULES table is defined to be the VersionId of the granule as provided by the Archive Center

C:"Redefine the VersionId field in the ALL_GRANULES table is defined to be the VersionId of the granule as provided by the Archive Center" This is what my notes said, but do I mean Provider here? Also at the Client Review meeting Mark Nestler mentioned that some users search on LocalGranuleId. Should we remove this field?

A:Determine the use of LocalGranuleId for search. Change LocalGranuleID to ProducerGranuleName. Change LocalVersionID to ProducerGranuleVersion. These will both be independently searchable, singular. Every LocalGranuleID must be unique within the provider's dataset. Pull definitions from ECS docs and modify if needed.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Client	Client	Ingest Granule DTD	Model Modifications
Query Language	Provider		Results Granule DTD	
DM Definitions				

40	ALL_GRANULES	SHORT_NAME	Remove	6/13/2002	Closed	<input type="checkbox"/>
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D:ShortName in the ALL_GRANULES table was supposed to contain the short name of the granule. It is not clear whether providers are maintaining a Short name for granules that is different from the GranuleUR.

R:It seemed like a candidate for removal but confirm with Clients

A:Remove this.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider	Client	Ingest Granule DTD	Trivial Maintenance
Query Language	Client		Results Granule DTD	

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
41	ALL_GRANULES	GRANULE_MB_SI ZE	Update	6/13/2002	Closed	<input checked="" type="checkbox"/>

D:Should GranuleSize be made mandatory?

R:SizeMBDataGranule field will not be made mandatory but the ECHO Ops team may want to strongly recommend that this field be filled in.

At the meeting on Ingest Granule DTD (6/27/2002):: SizeMBDataGranule is the size of the uncompressed granule. This is an optional field but Providers must be encouraged to provide it. This will specially be required if the Order options for granules depend on how many granules fit on one CD or tape etc. Add another field called CompressedSizeMBDataGranule? that specifies the achievable size of the granule after compression using some compression algorithm.

C:Providers may support multiple Compression algorithms for which the CompressedSizeMBDataGranule may have different values but ECHO will only support this one field instead of going into details of the Compression algorithm. The Provider should be encouraged to fill in the lowest achievable compression using any of the algorithms they support.

A:As recommended.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider	Provider Client	Ingest Granule DTD Results Granule DTD	Model Modifications

42	ALL_GRANULES	PGE_NAME	Add	6/13/2002	Closed	<input checked="" type="checkbox"/>
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D:PGEVersion is a field in the GranuleMetadata but there is no indication of what Algorithm was used.

R:Allow for the PGENAME to be incorporated for more information.

Replace PGECClass with an optional PGE group

<!ELEMENT PGE (PGENAME, PGEVersion?)

A:Accept as recommended.

| | | | | |
|---------------------|-----------------|---------------------|---|-----------------------|
| Categories | Contacts | Stakeholders | DTDs Affected | Issue Grouping |
| Granule
API-Data | Provider | Provider
Client | Ingest Granule DTD
Results Granule DTD | Model Modifications |

43	ALL_GRANULES	PRODUCTION_DA TE_TIME	Update	6/3/2002	Closed	<input type="checkbox"/>
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D:Need to make clear that ProductionDateTime is used for RollingTemporal Restriction. Should this be in the description of the attribute in the data model or is it sufficient to state this in the documentation for RollingTemporal Restriction?

A:Description in user's guide and online reference for RTR.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule ACL	Provider	Provider		Trivial Maintenance

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
44	ALL_GRANULES	ACCESS_CONSTR	Remove	6/3/2002	Closed	<input checked="" type="checkbox"/>

D:Do we need the AccessConstraint field that is free text field in the Granule metadata?

R:Remove AccessConstraint as a metadata field at the Granule Level. The requirement on ECHO for access constraints at the granule level is to support Collections (and their granules) to be invisible to the public but be accessible to the Ops team when it is evaluating the Collection. ECHO team needs to discuss how this will be incorporated; whether this collection will only be made visible in a test environment and not ingested into the operational system until it is passed by the provider and the ECHO Ops team or whether it would be ingested into the Operational system but made visible only to the ECHO Ops team through some ECHO specific mechanism.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	ECHO	Provider	Ingest Granule DTD	ACL
ACL			Results Granule DTD	

45	CLOUD_COVER	Update	6/13/2002	Open	<input type="checkbox"/>
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D:Do we need to promote CloudCover as Core to speed search?

R:Need to support search on CloudCover as a promoted PSA that has a different name per Collection. Currently ECHO supports promotion of CloudCover as the same (single) PSA for all the Collections from a Provider.

A:How will the Providers indicate to ECHO what PSA represents the CloudCover that should be enabled for CloudCover search? Should this be mapped in the Ingest Proxy to a "CORE" CloudCover search field?

CloudCover needs to be a core part of the data model. Providers will need to determine a mapping to it. Still need the providers to give us enough information to properly model the field.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider	Client	AQL DTD	Model Modifications
PSA				
Query Language				
Cloud Cover				

46	GLOBAL	Add	6/13/2002	Closed	<input checked="" type="checkbox"/>
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D:There are some granules that are Global. Oracle cannot ingest them into the Spatial field. How should these granules be searched on.

R:Add 2 fields at the Collection level 1. Global - A flag that indicates all the granules in this Collection are truly global, 2. A flag (name TBD) that indicates all the granules in the Collection have the same spatial extent. Maintain the Global Flag at the Granule level to indicate that the granule is Global. Need to add this as a field in the ingest DTD that must be provided by the Provider.

C:Should these granules be searched for separately or included in results from a spatial search if applicable?

A:We must have a flag in the spatial part of an AQL query that tells us whether to include global in spatial search results. This means that ECHO must capture the information at ingest.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Provider	Client	Ingest Collection DTD	Spatial
Spatial	Client		Results Collection DTD	
Query Language				
Global				

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
47			Update	6/13/2002	Closed	<input type="checkbox"/>
<p>D:Rename the PKGID field in the ALL_GRANULES table so that it is more explicit and clarify its use in the Description both at the Collection and at the Granule level. PKGID is the reference to the order options for the collection/granule.</p> <p>A:Make it clear.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection				Trivial Maintenance		
Granule						
Order Options						
48			Update		Closed	<input checked="" type="checkbox"/>
<p>D:Since ECHO has its own Insertdatetime, LastUpdateDateTime and DeleteDateTime do we need to maintain these fields from the Provider?</p> <p>R:Maintain Provider InsertTime, LastUpdate and DeleteTime within ECHO for internal processing use. At the Client Review meeting, Clients do not need to search on these fields from the Provider. They only need to be able to search on the ECHO dates and times.</p> <p>C:There may be others that may need this as a basis of search that weren't represented. Do not rule it out as a basis of search.</p> <p>A:Should be available in the result XML. Should be named ProviderInsertDateTime, ProviderLastUpdateDateTime, ProviderDeleteDateTime.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection		Client	Ingest Granule DTD	Trivial Maintenance		
Granule			Ingest Collection DTD			
Query Language			Results Collection DTD			
Ingest			Results Granule DTD			
Dates						
49			Update	6/13/2002	Closed	<input type="checkbox"/>
<p>D:Rename All ECHO specific dates that start with LOCAL_ to start with ECHO_ in the database.</p> <p>C:At the API level they are already prepended by "ECHO". E.g. ECHOLastUpdateDateTime</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection				Trivial Maintenance		
Granule						
Dates						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		
50			Add	6/13/2002	Open	<input checked="" type="checkbox"/>
<p>D:Do we need Document URL at the Granule level?</p> <p>R:It was recommended to add Document information at the granule level as well, but do we have examples of where there is documentation at the granule level?</p> <p>A:Find examples.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Provider	Client	Ingest Granule DTD	Online		
Online	Rich Ullman		Results Granule DTD			
51			Add	6/13/2002	Open	<input checked="" type="checkbox"/>
<p>D:Add a Field called Mime for all URLs including ONLINE_URL, BROWSE, COLL_DOCUMENT, and GR_DOCUMENT (yet to determine whether GR_DOCUMENT should be added)</p> <p>C:See Issue on OnlineAccessURL. Mime will enable Clients to know the data format at the end of the URL. If the data format is not what they were looking for or if it is a format they cannot read they can choose not to do an expensive ftp/http get etc.</p> <p>A:Related to issues 31-35. Related to issue 50.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Granule DTD	Online		
Granule			Ingest Collection DTD			
API-Data			Ingest Browse DTD			
Online			Results Collection DTD			
			Results Granule DTD			
52					Open	<input checked="" type="checkbox"/>
<p>D:Should ECHO maintain spatial information for Browse? Some clients that are Browse driven (EDC) may want to correctly super impose the browse on the earth. Do they need more projection and spatial information related to the Browse to support this functionality? Is the information on projection and spatial extent for the browse the same as the granule they represent? Need to revisit this in the Client View Review, Providers need to elaborate on types of Browse and how EDC's requirement could be satisfied</p> <p>R:Need to revisit this in the Client View Review, Providers need to elaborate on types of Browse and how EDC's requirement could be satisfied</p> <p>C:Browse's spatial could be the same as the granule. AIRS browse requires spatial information be associated with the browse.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Client	Client	Ingest Browse DTD	Spatial		
Spatial	Provider		Results Granule DTD			
Results	EDG					
Browse	AIRS POC (Stephanie C					
	ECS					

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			

53

Open



D:How does ECHO provide center point information of a granule to the Clients?

R:ECHO will need to add CenterPoint metadata at the Granule level. The Provider should provide this information. In case of ECS as this information may not be provided, ECHO may need to handle this in the Proxy that will transform ECS metadata into ECHO format before ingest. The Proxy will use the same algorithm used in the ECS-V0 gateway. This algorithm is known to generate incorrect results for NOSE data.

C:This is useful for client's to provide 508 compliance of a graphically represented granule location.

A:Centerpoint is required to be part of the data model. Question: If you have spatial, then is this required?

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider	Client	Ingest Granule DTD	Spatial
Results	Rich Ullman		Results Granule DTD	
API-Data	Ross Swick			
Spatial	Client			

54 COLL_PSA, GR_PSA PSA_VALUE

6/13/2002 Open



D:Does ECHO need to support Multivalued/DuplicateValued PSAs?

R:ECHO needs to support PSAs to have more than 1 value. It is sufficient not to be able to support Duplicate Values. PSAs will not support search on an ordered list of values, for example it will not support search on PSA that represents a road. If ordering needs to be maintained the PSA should be ingest as a single String value which has the values as a comma de-limited list.

C:If duplicate values are needed, a comma delimited list (with the limits that places on searching) will work. Jon Pals provided an example involving NOSE that needs an ordered list.

A:Will support multiple values associated with a single PSAName and will be searchable. Will not support duplicate values.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
PSA	Provider	Client	Ingest Granule DTD	Model Modifications
Query Language	Jon Pals		Ingest Collection DTD	
			Results Collection DTD	
			Results Granule DTD	

55 GR_PROCESSING_QA,
GR_QA_GRANULE

Remove

6/13/2002 Open



D:Remove these.

C:Robin wants to make sure that we find out what the upcoming use of QA granules is before we remove them. Refer to Robin's email concerning QA granules.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
API-Data	IIST		Ingest Granule DTD	Model Modifications
Granule	Jon Pals		Results Granule DTD	QA
QA				

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
56			Update	6/3/2002	Open	<input checked="" type="checkbox"/>
<p>D:What information does ECHO need to support Orbital Searches?</p> <p>R:Need a list of information that ECHO may want to maintain in order to support client level Orbital Searches. Possibly maintain a reference model of information for sensors, instruments, Orbits etc. This discussion is tabled for a telecon with Mike Botts, Ted Willard and Ross Swick. Need to contact Ben Kobler.</p> <p>C:Telecon held 7/24/2002. No resolution yet.</p> <p>A:Arrange a telecon with Mike Botts, Ted Willard and Ross Swick. Also ask Ben Kobler.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client		Spatial		
Granule						
Spatial						
Query Language						
Orbital						
57	GR_STORAGE_MEDIUM, GR_FILE_STORAGE		Remove	6/13/2002	Open	<input checked="" type="checkbox"/>
<p>D:Do we need to maintain GR_STORAGE_MEDIUM, GR_FILE_STORAGE?</p> <p>R:Storage Medium says what medium (e.g. Tape etc, online) the data is stored at the Provider Site. This information is only relevant to ECHO if the data Is online. This can be obtained by searching for OnlineAccessURL. FileStorage information is used to store names of files associated with this data in case the data is in the File System at the Provider site. ECHO does not need to know this information</p> <p>C:At a previous discussion with Keith (a looong time ago), he had mentioned that when the Users order data from EDG they are sent a whole bunch of files. They are not able to determine what granule is associated with what file. Do we need to maintain the File Storage information to provide this association to the users?</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Provider	Client	Ingest Granule DTD	Model Modifications		
API-Data	Client		Results Granule DTD			
	Rich Ullman					
58	PSA_DEFINITION		Update	6/13/2002	Open	<input type="checkbox"/>
<p>D:What PSAs should ECHO promote?</p> <p>R:Jon Pals will review and recommend a set of PSAs to promote.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Jon Pals	Client		Model Modifications		
Granule		Provider				
PSA						
Query Language						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		

59	GR_INSTRUMENT_CHARACTERISTICS	All		Add	6/13/2002	Closed	<input checked="" type="checkbox"/>
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D:Instrument Characteristics can differ at the Granule level.

R:Add a GR_INSTRUMENT_CHARACTERISTICS. Modify the ingest DTD to support this

A:As recommended.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider	Provider	Ingest Granule DTD	Model Modifications
API-Data		Client	Results Granule DTD	

60	GR_VERSION_HISTORY			Remove	6/13/2002	Closed	<input type="checkbox"/>
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D:Remove GR_VERSION_HISTORY

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider		Ingest Granule DTD	Model Modifications
API-Data			Results Granule DTD	

61	PATH_ROW			Update	6/13/2002	Closed	<input type="checkbox"/>
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D:Path Row is promoted to support faster searches. There was a interest in trying to define this search in a more generic fashion to not only include collections that have Path Row but any other collections that may have this kind of grid type of search possible. For example, MODIS tile data etc. May need to define Dimensions and names of Dimensions and name and type of the data.

A:Design appropriate stuff.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	Provider	Client		Spatial
Query Language	Client			
Spatial	Ross Swick			
	John Olson			
	Rich Ullman			
	Robin Pfister			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
62	GR_CAMPAIGN		Update		Open	<input type="checkbox"/>
<p>D:Do we need a reference from the Granule to Campaign information or is it sufficient to maintain the reference through the Collection. Currently ECHO supports getting information for a Campaign through the Granule. BMGT also sends CampaignShortName as part of the Granule level metadata. Is this information that is required to be maintained at the Granule level? Also, would clients want to search for granules based on Campaign information? Need to re-visit in the Provider and Client View reviews. Previous discussions with ECS, reasoned this as, collections may be associated with multiple Campaigns but each granule within the collection may only be associated with a subset of these campaigns</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Granule DTD	Model Modifications		
Granule	Client		Results Granule DTD			
Query Language	Tim Rhyne					
	Julie Soja					
63	GR_INPUT_GRANULE		Remove	6/13/2002	Open	<input checked="" type="checkbox"/>
<p>D:Remove GR_INPUT_GRANULE</p> <p>R:Follow up with providers (GSFC) to see if this data is pertinent for clearinghouse users.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Provider	Provider	Ingest Granule DTD	Model Modifications		
API-Data		Client	Results Granule DTD			
64	GR_LOCALITY		Update	6/13/2002	Open	<input checked="" type="checkbox"/>
<p>D:Do we need to maintain GR_LOCALITY as separate metadata? Can this be modified to maintain spatial keywords at the Granule level?</p> <p>R:GR_LOCALITY is being currently populated by some of the ECS Science Teams. This may contain a LocalityValue of "GLOBAL" when some granules are considered GLOBAL. Currently the Science Office is not dictating the data producers on what they mean by global (whether the Granule is truly global or is it almost covering the earth but not quite). This field was a recommendation from their Architect team. Also, is this field used for anything other than to indicate global granules? Another things stored there is (MLS Team) LIMB. Can these just be a spatial keyword? The concern is that GCMD may not maintain this in a way that works for us...</p> <p>C:What is the difference between locality and spatial keywords? Jon Pals says it may not be strictly spatial, for instance "WETLANDS." Local surface is used for local sites. Ocean with case 1 sediments, ocean with case 2 sediments.</p> <p>A:This is a question for Rich Ullman whether ECHO needs to maintain this information.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Spatial	Rich Ullman		Ingest Granule DTD	Keyword		
Granule	ECS		Results Granule DTD			
Keywords	Jon Pals					

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
65	GR_PROCESSING_HISTORY			6/13/2002	Closed	<input checked="" type="checkbox"/>
D:Remove						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Provider		Ingest Granule DTD	Model Modifications		
API-Data			Results Granule DTD			
66	ZONE_IDENTIFIER		Update	6/13/2002	Open	<input checked="" type="checkbox"/>
D:Move ZoneIdentifier into PlanarCoordinateSystem, Add a table to maintain the CoordinateSystemId and ZoneNumber at the granule level. Need more feedback from Providers to explain the relationship between ZoneIdentifiers, coordinate systems and granules. ECS does not currently provide Coordinate system information but does provide ZoneIdentifier at the granule level						
A:Ask Rich and Providers about relationship.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Provider	Client	Ingest Granule DTD	Model Modifications		
Spatial	Rich Ullman		Results Granule DTD			
67	COLL_VIEW		Add		Open	<input checked="" type="checkbox"/>
D:Define a View (ViewName and ViewDescription) at the Collection level that will help automate the mechanism for Validation of metadata at the Collection/Granule levels. This is Robin's recommendation Add a field called "View", that characterizes the "view" of the data. Whether its geo view, solar view, and limb view.... This will allow us to determine what fields are required or optional during metadata definition. E.g. if its geo-view, it must have geo-spatial information. There may be some types of data that have no temporal information. For these types of data, temporal would not be required, but it needs to be required for most types.						
C:This could be the locality field (Issue 64).						
A:ECHO needs to design validation using this information. Related to Issue 64.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	ECHO Ops	Ingest Collection DTD	Model Modifications		
Ingest			Results Collection DTD			
API-Data						

ID	Table Description/	Column Recommended Action/	Action Comment/ Action	First Discussed	Status	BMGT
68	COLL_PARENT_XREF		Remove	6/13/2002	Closed	<input type="checkbox"/>
D:Remove. Used to support MultiType Collections. ECHO is not going to implement it at this time. A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection			Ingest Collection DTD	MultiType Collections		
MultiType Collections						
API-Data						
69	BROWSE	PRODUCTION_DA TE	Remove	6/13/2002	Closed	<input checked="" type="checkbox"/>
D:Remove ProductionDate attribute for Browse A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule		Client	Ingest Browse DTD	Trivial Maintenance		
API-Data			Results Collection DTD			
Browse			Results Granule DTD			
70				6/13/2002	Open	<input type="checkbox"/>
D:Assess the effect of storing data from each Provider is in its own schema on ECHO's support for Theme Collections if the Theme Collection is a collection of data from different Providers.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	ECHO			Model Modifications		
API-Data						
MultiType Collections						
71	ALL_COLLECTIONS	DATA_CENTER_I D	Update	6/19/2002	Closed	<input checked="" type="checkbox"/>
D:Rename DataCenterId to ProviderID in the Ingest DTDs and Result DTDs A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection		Client	Ingest Granule DTD	Trivial Maintenance		
API-Data			Ingest Collection DTD			
Name changes in DTD			Ingest Browse DTD			
			Ingest Options DTD			
			Results Collection DTD			
			Results Granule DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
72			Update	6/19/2002	Open	<input checked="" type="checkbox"/>
<p>D:Rename TemporalCoverage to FileTargetTemporalRange and the dates should be in Gregorian calendar instead of Julian dates. This represents the time range in which the granules described in this file have been, either inserted, updated or deleted at the Provider site.</p> <p>C:This information is here for use by the OPS team. It is not really a data model issue, but useful for auditing.</p> <p>A:Can Providers support Gregorian dates instead of Julian dates? Ops team prefers Gregorian.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Ingest	Provider	Provider	Ingest Granule DTD	Trivial Maintenance		
Name changes in DTD			Ingest Collection DTD			
			Ingest Browse DTD			
73			Update		Closed	<input checked="" type="checkbox"/>
<p>D:Replace all Date and Time related elements to end with DateTime by merging the Date and the Time element into one</p> <p>C:Need to ask BMGT and providers whether they can combine the date and time into one.</p> <p>A:The ECHO format should be: TBD/ISO Standard</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Data	Provider	Provider	Ingest Granule DTD	Model Modifications		
Dates	Guy Swope	Client	Ingest Collection DTD			
Name changes in DTD			Ingest Browse DTD			
			Ingest Options DTD			
			AQL DTD			
			Results Collection DTD			
			Results Granule DTD			
74			Update	6/19/2002	Open	<input checked="" type="checkbox"/>
<p>D:Eliminate the DefaultPackage information that describes the Order options that apply to the Collections specified in this particular ingest XML file. Order options should be defined by the provider using the OrderOptionsUpdate.dtd. Need to add an element OrderOptionName that will identify the option for the Collection from one of the pre-defined options</p> <p>R:This field is optional but if the Collection is orderable then this field should be made mandatory.</p> <p>A:Clarify the description.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Provider	Ingest Collection DTD	Trivial Maintenance		
API-Data		Client				
Order Options						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		
75	ALL_COLLECTION	DESCRIPTION	Update	6/19/2002	Closed	<input checked="" type="checkbox"/>
<p>D:CollectionDescription should be made mandatory. At the ISO Compliance meeting we realized that LongName should be made mandatory as well.</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Data		Provider	Ingest Collection DTD	Trivial Maintenance		
Ingest		Client	Results Collection DTD			
Collection						
76					Closed	<input checked="" type="checkbox"/>
<p>D:How should a provider specify that an item (Collection or granule) is orderable?</p> <p>R:Add an empty optional element Orderable. This must be specified if the entire Collection is orderable as a whole through ECHO. This would also apply for granules. The flag should be available in the results.</p> <p>C:Should we consider requiring providers to support returning a collection when a granule is ordered? This has the issue of who maps the correct number of collections</p> <p>A:As recommended.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	Client	Ingest Granule DTD	Model Modifications		
Granule			Ingest Collection DTD			
API-Data			Results Collection DTD			
			Results Granule DTD			
77	ALL_COLLECTIONS	PROCESSING_LEV	Update	6/19/2002	Closed	<input checked="" type="checkbox"/>
		EL_ID,				
		PROCESSING_LEV				
		EL_DESCRIPTION				
<p>D:ProcessingLevelID will have a set of Validis within ECHO. Remove ProcessingLevelDescription. For each Provider the description of the processing level will be uniform across all collections. Hence this should be managed separately as part of validis. The description will now be at the data dictionary level.</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider	ECHO Ops	Ingest Collection DTD	Model Modifications		
API-Data			Results Collection DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
78	ALL_COLLECTIONS		Update	6/19/2002	Closed	<input checked="" type="checkbox"/>
D:Combine SuggestedUsage1 and SuggestedUsage2 to SuggestedUsage A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection			Ingest Collection DTD	Trivial Maintenance		
Results			Results Collection DTD			
API-Data						
79					Open	<input type="checkbox"/>
D:Archive Center should have been the same as the ProviderID so why do we need this R:It seems that some Providers may have divided their data into different centers and hence this field may indicate which center within the Provider site is the data located in. It is not clear whether this is any information useful in ECHO. EDC may have information that makes Archive center relevant. Need to ask them about its usefulness to ECHO. A:Ask EDC.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Provider			Model Modifications		
	EDC					
80	SpatialInfo				Closed	<input type="checkbox"/>
D:SpatialCoverageType only allows values Horizontal, Vertical and Both R:Enforce these as valids. A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection				Trivial Maintenance		
Spatial						
81				6/19/2002	Closed	<input type="checkbox"/>
D:VerticalSpatialDomain should be an optional group in Spatial A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection			Ingest Granule DTD	Trivial Maintenance		
Spatial			Ingest Collection DTD			
			Results Collection DTD			
			Results Granule DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
82					Open	<input checked="" type="checkbox"/>
<p>D:Is the Spatial DTD consistent with GML? The Geometry group is based on GML. ECHO needs to find out what version of GML was used in this recommendation. The difference between GML and this recommendation are 1) GeometryClasses was renamed Geometry, 2) Circle is not part of GML but ECHO will recommend to the GML group to add it into GML.</p> <p>R:Recommend to GML group that Circle be added to their Geometry object. ECHO will use the GML specified names.</p> <p>A:As recommended.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	Lou Reich	Provider	Ingest Granule DTD	Trivial Maintenance		
Granule		Client	Ingest Collection DTD			
Spatial			Results Collection DTD			
			Results Granule DTD			
83			Update		Closed	<input checked="" type="checkbox"/>
<p>D:TimeType and DateType should be removed from the Temporal group. All Dates and Time should be according to the Gregorian Calendar and in GMT. RangeDateTime should be redefined as <!ELEMENT RangeDateTime (BeginningDateTime, EndingDateTime?)></p> <p>C:EndingDateTime is only optional for a collection. This field is used to describe the range of time represented by a granule or collection.</p> <p>A:As described.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection		Provider	Ingest Granule DTD	Trivial Maintenance		
Granule		Client	Ingest Collection DTD			
Temporal			Results Collection DTD			
Dates			Results Granule DTD			
84			Update	6/19/2002	Open	<input checked="" type="checkbox"/>
<p>D:Combine Period1stDate and Period1stTime to one field called PeriodBeginningDateTime, combine PeriodEndDate and PeriodEndTime to PeriodEndingDateTime. Determine valids for Duration.</p> <p>A:Ask ECS for valids for the PeriodDurationUnit</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Collection	ECS	Provider	Ingest Collection DTD	Trivial Maintenance		
Temporal		Client	Results Collection DTD			

ID Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action		

85 DISCIPLINE_KEYWOR
DS

6/19/2002 Open



D:One or more DisciplineTopicParameters are required in the Instrument group. Currently we know ORNL maintains this information. Does ECS maintain this information?

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	ECS	Client	Ingest Collection DTD	Keyword
Discipline Keyword Stack			Results Collection DTD	

86 PLATFORM_CHARACT
ERISTICS

Closed



D:PlatformCharacteristic can take multiple values, so it is should be defined as PlatformCharacteristicValue*.

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
API-Data		Provider	Ingest Collection DTD	Model Modifications
		Client	Results Collection DTD	

87

Closed



D:Rename AdditionalAttributes to PSAs. Define PSAs to contain 1 or more PSA. Each PSA group will be defined as

<!ELEMENT PSA (PSAName, PSADataType, PSADescription, MeasurementResolution?, PSARangeBegin?, PSARangeEnd?, PSAUnitsOfMeasure?, PSAValueAccuracy?, PSAValueAccuracyExplanation?, PSAValue*)>

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
API-Data		Provider	Ingest Collection DTD	Trivial Maintenance
PSA		Client	Results Collection DTD	

88

Open



D:What kind of information is maintained in CollectionAssociation? Is this information that would be in Guide Documents? (Question for Rich Ullman). Combine CollectionUse1 and CollectionUse2 under CollectionAsociation as CollectionUse.

R:Combine CollectionUse.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Collection	Rich Ullman		Ingest Collection DTD	Trivial Maintenance
API-Data			Results Collection DTD	

ID	Table Description/	Column Recommended Action/	Action Comment/ Action	First Discussed	Status	BMGT
89			Remove		Closed	<input type="checkbox"/>
D:Remove ParentCollection A:Do it.						
	Categories Collection MultiType Collections	Contacts	Stakeholders Provider Client	DTDs Affected Ingest Collection DTD	Issue Grouping MultiType Collections	
90			Update	6/19/2002	Closed	<input type="checkbox"/>
D:Rename SpatialCoverage_Type under SpatialInfo as SpatialCoverageType A:Do it.						
	Categories API-Data Spatial Collection/Granule Naming	Contacts	Stakeholders Provider Client	DTDs Affected Ingest Collection DTD	Issue Grouping Trivial Maintenance	
91	ALL_GRANULES	VERSION_ID		6/27/2002	Open	<input checked="" type="checkbox"/>
D:Add VersionID element for the Granule under the GranuleURMetaData A:Related to issue 39.						
	Categories API-Data Granule	Contacts Rich Ullman	Stakeholders	DTDs Affected Ingest Granule DTD Results Granule DTD	Issue Grouping Model Modifications	
92			Update	6/27/2002	Closed	<input checked="" type="checkbox"/>
D:Replace CollectionMetaData* group by DataSetID or CollectionID required element in the granule ingest DTD. CollectionMetaData was a group of ShortName?, VersionID?, PrimaryFlag?, DataSetID. But since ShortName and VersionID are really Collection level metadata that is optional and primary flag is not to be used anymore, so there is no need to add an extra layer of CollectionMetaData group. PrimaryFlag is removed because this was used to indicate that the CollectionMetaData specified is the primary Collection of this granule, but now the provider should send in ONLY the DataCenterID of the Primary Collection of this granule, hence this flag is redundant. A:As described.						
	Categories Granule API-Data	Contacts	Stakeholders	DTDs Affected Ingest Granule DTD Results Granule DTD	Issue Grouping Trivial Maintenance	

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		
94					Closed	<input checked="" type="checkbox"/>
D:Replace the DataGranule group in the GranuleURMetaData by the actual elements in the group. This group was attempting to group elements that are unrelated, so the grouping does not make much sense.						
A:As described.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule		Provider	Ingest Granule DTD	Trivial Maintenance		
API-Data		Client	Results Granule DTD			
95			Update	6/27/2002	Closed	<input checked="" type="checkbox"/>
D:Replace SingleDateTime to be a String element instead of a group of two elements in the DTDs.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule		Provider	Ingest Granule DTD	Trivial Maintenance		
API-Data		Client	Ingest Collection DTD			
Dates			Results Collection DTD			
			Results Granule DTD			
96			Update	6/27/2002	Closed	<input checked="" type="checkbox"/>
D:In the granule ingest DTD, make VerticalSpatialDomainType and VerticalSpatialDomainValue mandatory in the VerticalSpatialDomainContainer. Rename VerticalSpatialDomainContainer as VerticalSpatialDomain and rename VerticalSpatialDomain as VerticalSpatialDomains.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule		Provider	Ingest Granule DTD	Trivial Maintenance		
Spatial		Client	Results Granule DTD			
API-Data						
Name changes in DTD						
97					Closed	<input checked="" type="checkbox"/>
D:Rename ZoneIdentifierClass to ZoneIdentifier.						
C:We may need the Coordinate Information with the ZoneIdentifier.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule		Provider	Ingest Granule DTD	Trivial Maintenance		
Spatial		Client	Results Granule DTD			
API-Data						
Name changes in DTD						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
98	Orbit				Open	<input checked="" type="checkbox"/>
<p>D:Remove OrbitModelName from the database and DTD. Remove StartCircularLatitude, EndCircularLatitude from the OrbitCalculatedSpatialDomain element in the DTD because these can be derived from the other information provided. Rename EquatorCrossingLongitude as AscendingEquatorCrossingLongitude. Combine EquatorCrossingTime and EquatorCrossingDate as AscendingEquatorCrossingDateTime and it should include both, the date and time.</p> <p>R:Remove OrbitModelName completely. Start and End circular latitude and longitude will be calculated by ECHO based on other fields already there at the granule level (direction, start lat, start lon)-- these are only to support backtrack search, and are therefor being removed from the ingest DTD. Equator Crossing date and time are being combined into Ascending Equator Crossing Date Time.</p> <p>C:Affects Granule DTD.</p> <p>A:Waiting on Ross and Ted.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Ross Swick	Provider	Ingest Granule DTD	Trivial Maintenance		
Collection	Ted Willard	Client	Results Granule DTD			
Spatial						
99			Update	6/27/2002	Closed	<input checked="" type="checkbox"/>
<p>D:Rename MeasuredParameter as MeasuredParameters (with an ‘s’) and rename MeasuredParameterContainer as MeasuredParameter</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Trivial Maintenance		
API-Data			Results Granule DTD			
Name changes in DTD						
100			Remove	6/27/2002	Closed	<input type="checkbox"/>
<p>D:Remove PlatformLongName and PlatformType from the Granule Ingest DTD because this is coming in at the collection level and the granule only needs the short name to reference it.</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Trivial Maintenance		
API-Data			Results Granule DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
101			Remove	6/27/2002	Closed	<input type="checkbox"/>
D:Remove the PlatformCharacteristic group from Granule Ingest DTD, this information is specified at the Collection level						
R:Also remove this from the Conceptual data model						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Trivial Maintenance		
API-Data			Results Granule DTD			
102			Remove		Closed	<input type="checkbox"/>
D:Remove InstrumentLongName, InstrumentTechnique and NumberOfSensors from Granule Ingest DTD. The Sensors specified for an instrument at the granule level must be only those that are used to produce the particular granule.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Trivial Maintenance		
API-Data			Results Granule DTD			
103			Remove	6/27/2002	Closed	<input type="checkbox"/>
D:Remove SensorLongName and SensorTechnique from the Granule Ingest DTD because short name is sufficient and already present.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Trivial Maintenance		
API-Data			Results Granule DTD			
104			Remove	6/27/2002	Closed	<input type="checkbox"/>
D:Remove CampaignLongName, CampaignStartDate and CampaignEndDate from Granule DTDs because Campaign short name is all that is needed to reference it.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Trivial Maintenance		
API-Data			Results Granule DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
105			Remove	6/27/2002	Open	<input checked="" type="checkbox"/>
D:Remove InputGranule and InputPointer from the Granule Ingest DTD						
A:Depends on issue 63.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule			Ingest Granule DTD	Model Modifications		
API-Data			Results Granule DTD			
106	BROWSE	BROWSE_SIZE			Closed	<input checked="" type="checkbox"/>
D:Rename BrowseSizeInBytes to BrowseSizeInKB. Rename the DB column name as well						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Data			Ingest Browse DTD	Trivial Maintenance		
Browse			Results Collection DTD			
			Results Granule DTD			
107			Update		Closed	<input checked="" type="checkbox"/>
D:Rename the root element from Options to OrderOptions and rename the DTD file to OrderOptionsUpdate.dtd						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Data		Provider	Ingest Options DTD	Trivial Maintenance		
Order Options						
108			Update		Closed	<input checked="" type="checkbox"/>
D:Element 'Default' that is the default value of a SimpleOption should be renamed DefaultValue						
C:Will eventually affect BMGT.						
A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Data		Provider	Ingest Options DTD	Trivial Maintenance		
Order Options						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
109					Closed	<input type="checkbox"/>
D:Need to provide a sample Options XML that defines the options for Landsat 7 floating Scene Options C:Received sample in ODL format. A:ECHO needs to go do this.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Data				Trivial Maintenance		
Collection						
Order Options						
110				7/16/2002	Closed	<input type="checkbox"/>
D:Throughout the ECHO-> Provider message interactions: Make capitalization uniform. Modify *Date to *DateTime In cases where there are limited responses (Response:accept/reject, updateMechanism:manual/none, USFormat:yes/no), use an XML mechanism to enforce the selection constraint. A:Do it.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Transactions			Provider Order Proxy DT	Trivial Maintenance		
Dates						
111				7/17/2002	Closed	<input type="checkbox"/>
D:Regarding quote and submit, consider making a uniform entity called orderdescription that both quote and submit handle A:Analyze it, and do it if necessary.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Transactions			Provider Order Proxy DT	Trivial Maintenance		
Provider Order Interactions						
112			Add		Closed	<input type="checkbox"/>
D:Regarding orders, each order address (contact, billing, shipping) should have an email. A:Do it. (Done)						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
API-Transactions		Provider	Provider Order Proxy DT	Trivial Maintenance		
Provider Order Interactions		Client				

ID	Table Description/	Column Recommended Action/	Action Comment/ Action	First Discussed	Status	BMGT
113			Update	7/17/2002	Closed	<input type="checkbox"/>
D:Regarding options, consider making the field "encrypted" something where XML enforces Yes/No rather than free text. A:Do it (analyze it).						
	Categories API-Transactions Order Options	Contacts	Stakeholders	DTDs Affected Provider Order Proxy DT	Issue Grouping Trivial Maintenance	
114					Closed	<input type="checkbox"/>
D:Need to be able to manipulate options at the dataset/collection level. Currently only support line items, provider order and order level. A:Analyze and do it.						
	Categories Collection API-Transactions Provider Order Interactions Order Options	Contacts	Stakeholders Provider Client	DTDs Affected Provider Order Proxy DT	Issue Grouping Trivial Maintenance	
115					Closed	<input type="checkbox"/>
D:ISSUE: One day, we may deal with more than one monetary unit. Not recommending any changes currently.						
	Categories Collection API-Transactions Provider Order Interactions	Contacts	Stakeholders	DTDs Affected Provider Order Proxy DT	Issue Grouping Model Modifications	
116			Update		Closed	<input checked="" type="checkbox"/>
D:Make addresses in science model consistent with business model C:Use ISO Standard as basis for both. A:Do it.						
	Categories API-Data Collection Provider Order Interactions	Contacts	Stakeholders Provider Client	DTDs Affected Ingest Collection DTD Results Collection DTD	Issue Grouping Trivial Maintenance	

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
117			Update	7/17/2002	Open	<input type="checkbox"/>
D:Need to talk with Ben and George Percivall about the relationship between granules and Collections in ECHO and Dataset and Dataset Series concepts in ISO						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
ISO	Ben Kobler	Provider		Trivial Maintenance		
DM Definitions	George Percivall					
118				7/17/2002	Open	<input type="checkbox"/>
D:Janet will send the URL of the team that is trying to be ISO compliant						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
ISO				Model Modifications		
119			Update		Open	<input type="checkbox"/>
D:Consult Ben and George about a Bounding Box for a Polygon that goes over the pole or crosses the date line. In the ISO document that Janet was referring to it required that either a Bounding Box or a Spatial Keyword be present, it doesn't allow a Polygon as another option. Some data in ECHO will not have any spatial information. E.g. Data collected by observing the Sun. Such data will not be ISO compliant as is. ECHO Providers may want to add appropriate Spatial Keywords for this type of data. In this case "Solar" could be a Spatial Keyword. When this kind of Collection is first sent to ECHO, the Ops team should make sure that this data is allowed to not have spatial information. The Validation process then should be given a directive to pass this Collection's data even though it doesn't have spatial information as long it does have spatial keywords. These procedures are not in place currently but will need to be added.						
A:This is related to granule /collection locality issues. Issues 22 and 64						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
ISO	Ben Kobler	ECHO Ops		Model Modifications		
Spatial	George Percivall					

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
120					Closed	<input type="checkbox"/>
D:Need to follow ISO Standard for Addresses. Need to increase the number of StreetAddresses from 1 line to 5 lines (ISO 11180 Annex A)						
A:Do it. Related to issue 116.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
ISO			Ingest Collection DTD Results Collection DTD Provider Order Proxy DT	Trivial Maintenance		
121				7/17/2002	Closed	<input type="checkbox"/>
D:ECHO needs to support one fixed Metadata Character Set						
A:Pick one and report to ETAL.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
ISO				Trivial Maintenance		
122				7/17/2002	Closed	<input type="checkbox"/>
D:ISO has valids for Role in Contact Information. We may want to maintain the same list of valids in ECHO.						
C:Perhaps ECHO can have a superset of the ISO valids. This is a question of how we map.						
A:Analyze.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
ISO		Provider		Trivial Maintenance		
Ingest		ECHO Ops				
123				6/13/2002	Open	<input checked="" type="checkbox"/>
D:Do we want to maintain algorithm information at the granule level? This seems more useful than at the collection level.						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Granule	Rich Ullman	Provider	Ingest Granule DTD	Model Modifications		
API-Data	Jon Pals	Client	Results Granule DTD			

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
124			Remove	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Remove the "for" element from AQL. The "for" element identifies whether the Query is for Collections or Granules. But the "Where" element allows only either all GranuleCondition elements under it or CollectionCondition elements. So by looking at the Conditions in the where clause we can figure out whether the Query is for Collections or Granules.</p> <p>C:This may be a problem for a Query on Collections that tries to get the names of all the collections. In this case the Where clause would be empty with no conditions defined. That would make it impossible to know whether the Query is for Granules or Collections. Alternatively we can define a rule that a Query with NO conditions must be a Collection Query because otherwise the query would result in too many granules to be returned?</p> <p>A:Do it according to comment.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
		ECHO				
125			Update	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Rename all Date elements so that they are appended with the "DateTime". For example rename ECHOInsertDate to ECHOInsertDateTime, DateRange to DateTimeRange, etc. This is for the query language.</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
Dates				Trivial Maintenance		
126			Update	7/16/2002	Closed	<input type="checkbox"/>
<p>D:In AQL, rename OnlineOnly condition as OnlyOnlineData. Remove the value attribute that takes only one value "Y".</p> <p>C:See other Issues on OnlineAccessURL (31-35)</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	Online		
Online				AQL		

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended	Action/	Comment/	Action		

127	DISCIPLINE_KEYWORD D, DETAIL_PARAMETER _KEYWORD		Update	7/16/2002	Closed	<input type="checkbox"/>
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D:The search on "parameter" should search on the last 2 levels of the Discipline Keywords hierarchy. The search on parameter must return those collections/granule that have the specified keywords in either the VARIABLE or DETAIL_PARAMETER columns.

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Query Language		Client	AQL DTD	AQL
Discipline Keyword Stack				Keyword

128	DISCIPLINE_KEYWORD D, DETAIL_PARAMETER _KEYWORD	All	Add	7/16/2002	Closed	<input type="checkbox"/>
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D:Each level of the Discipline Keywords Hierarchy except the first level (which is always "Earth Science" for ECHO), I.e. Term, Topic, Variable and DetailParameter should be individually searchable, and the combination of them should also be searchable with an implied AND. The ability to OR among different parameter levels/types is needed.

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Query Language		Client	AQL DTD	Keyword
Discipline Keyword Stack				AQL

129			Update	7/16/2002	Closed	<input type="checkbox"/>
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D:Current Spatial search only searches for NON-Global granules/collections. Spatial search should support a flag that specifies whether global granules/collections should be included in the results or not.

C:This is related to issue ???.

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Query Language		Client	AQL DTD	Spatial
Spatial				AQL

130			Update	7/16/2002	Closed	<input type="checkbox"/>
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D:Rename search criteria "globalGranulesOnly" to OnlyGlobalGranules. Remove the value attribute that takes only 1 value.

A:Do it.

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Query Language		Client	AQL DTD	AQL
Spatial				
Global				

ID	Table	Column	Action	First Discussed	Status	BMGT	
Description/	Recommended	Action/	Comment/	Action			
131				Update	7/16/2002	Closed	<input type="checkbox"/>
D:Rename search on granuleId to search on ECHOGranuleID							
A:Do it.							
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping			
Query Language		Client	AQL DTD	AQL			
132	ALL_GRANULES	PRODUCER_GRA NULE_ID	Add	7/16/2002	Closed		<input type="checkbox"/>
D:Add a search on ProducerGranuleID (originally called LocalGranuleID, renamed in the Wrap up meeting on 7/22/2002)							
A:Do it.							
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping			
Query Language		Client	AQL DTD	AQL			
133	COLL_PSA	PSA_NAME, PSA_VALUE	Add	7/16/2002	Closed		<input type="checkbox"/>
D:Add a Collection level search on PSA. Collections can have Collection level values for PSAs. The definition of PSA should be same as the PSA search at the Granule level.							
A:Do it.							
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping			
Query Language		Client	AQL DTD	AQL			
PSA							
134				Update	7/16/2002	Closed	<input type="checkbox"/>
D:Support search on multiple PSAs in one Query.							
C:Currently each search criteria can be specified only once. But user may want to search for granules/collections that have both PSA1 and PSA2, in that case PSA searches need to specified more than once.							
A:Do it.							
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping			
Query Language		Client	AQL DTD	AQL			
PSA							

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
135				7/16/2002	Closed	<input type="checkbox"/>
<p>D:Clients are indifferent to negated searches. Should we remove support for negation? It is quite a resource intensive query.</p> <p>C:The negation was originally derived from the OGC common query language.</p> <p>A:Look at ways to detect and limit runaway queries and squash if necessary. Evaluate removing negation.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language	Client	Client	AQL DTD	AQL		
136			Update	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Rename search on browseOnly as OnlyDataWithBrowse</p> <p>C:MB: It is a good thing to organize these flag/function query items together. Other people should understand that these do not relate directly to a field in the data model.</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
Browse						
137				7/16/2002	Open	<input type="checkbox"/>
<p>D:Update DayNightFlag attribute "value", to take values "DAY", "NIGHT", "BOTH", "DAYONLY", "NIGHTONLY". Search on DAY should return granules that were taken in Daylight and granule that were taken partially in Day and Night. Similarly search on NIGHT should return granules taken at Night and granules taken partially at day and partially at night. Search on DAYONLY or NIGHTONLY should not return granules that are partially taken in day and partially at night.</p> <p>R:Robin is concerned about Not Applicable vs. Not Available.</p> <p>C:Search for DAY = DAY or BOTH, Search for NIGHT = NIGHT or BOTH, Search for BOTH = BOTH, Search for DAYONLY = DAY, Search for NIGHTONLY = NIGHT</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language	Rich Ullman	Client	AQL DTD	AQL		
Granule	IIST					
	Jon Pals					

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
138	DISCIPLINE_KEYWORD, DETAIL_PARAMETER			7/16/2002	Closed	<input type="checkbox"/>
<p>D:Add a parameter search at the granule level as well. It is assumed that granule level parameters are a subset of collection level parameters. This will be validated.</p> <p>C:Do we need to support the full scale Discipline keyword search at the granule level?</p> <p>A:Add a granule level parameter search for all levels. Refers to issue X where the data model is updated.</p> <p>Categories Contacts Stakeholders DTDs Affected Issue Grouping</p> <p>Query Language Client AQL DTD AQL</p> <p>Discipline Keyword Stack</p> <p>Granule</p>						
139	GR_MEASURED_PARAMETER		Add	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Add a search on Measured Parameters. Clients are interested in search on the ScienceQualityFlag of the Parameter. Query would look like</p> <p><!ELEMENT MeasuredParameter (Name, ScienceQualityFlag)></p> <p><!ELEMENT Name (#PCDATA)></p> <p><!ELEMENT ScienceQualityFlag (list)></p> <p>R:All flags and stats should be included. Ors are a possibility, but ANDs are the default. We should support searching multiple parameters.</p> <p>A:Do it.</p> <p>Categories Contacts Stakeholders DTDs Affected Issue Grouping</p> <p>Query Language Client AQL DTD AQL</p>						
140			Update	7/16/2002	Closed	<input type="checkbox"/>
<p>D:A lot of the search criteria that are text based, e.g. PlatformShortName, CampaignShortName etc support search on a value, list and a textPattern. Since a list is allowed to have a single entry it is the same as value, remove value as one of the options.</p> <p>A:Do it.</p> <p>Categories Contacts Stakeholders DTDs Affected Issue Grouping</p> <p>Query Language Client AQL DTD AQL</p>						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
141			Update	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Spatial search using Box is only supported in Oracle for spatial data using the Cartesian Coordinates. Clients would like to support Box search on geodetic data as well. Currently if clients want to search using spatial Box they must specifically search only those providers that use cartesian system to store the spatial data. If clients issue a query for "ALL" providers and specify a spatial Box, the query fails since at least one of the providers is geodetic and if that one fails the entire query fails.</p> <p>R:Ross suggested that the Box can be converted to a Geodetic Box by converting it to an densified polygon. This way box searches can be supported on Geodetic data as well.</p> <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
Spatial						
142	SPATIAL		Add	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Support spatial search using a Circle. Also consider providing spatial search by specifying a line and distance from the line that will form an Oblong.</p> <p>A:Support circle. Check Oracle's capability for an oblong and report to ETAL.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	Spatial		
Spatial				AQL		
143			Update	7/16/2002	Closed	<input type="checkbox"/>
<p>D:For a Temporal Query allow:</p> <ol style="list-style-type: none"> 1. EndDay < StartDay would indicate e.g. Dec 2002 - Jan 2003 2. Add a Step Day to indicate instead of looking for all days, only every step day should be included. 3. Add StartTime and EndTime within each day. <p>A:Do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
Temporal				Temporal		

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
144			Update	7/16/2002	Open	<input type="checkbox"/>
<p>D:Support Exception in the Query. For example if search on Spatial Polygon, a flag setting should allow the results to contain all granules that intersect the spatial given as well those granules that have no spatial information. In other words return results that have "NULL" data for the condition specified.</p> <p>R:Try to support this flag for each search criteria.</p> <p>C:What about PSAs? If we allow exceptions to be returned for a particular PSA it basically means return all the data. For example if a user types in a PSA that does not exist in our system and sets the flag to return all data with Exceptions, all the data will need to be returned!!</p> <p>A:Need to discuss.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language	IIST	Client	AQL DTD	AQL		
PSA						
145			Add	7/16/2002	Closed	<input type="checkbox"/>
<p>D:Support AND within a search criteria. For example if the search is on a list of sensor short names. Return granules that have ALL the sensors specified in the list.</p> <p>R:Support this AND functionality for Sensor, Platform and Instrument?? (Robin I am not sure if this is the exact list)</p> <p>A:Check slides from previous workshops and do it.</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Query Language		Client	AQL DTD	AQL		
146	PSA_DEFINITION	PSA_VALUE	Add	7/16/2002	Open	<input type="checkbox"/>
<p>D:In the results returned for PSAs, there should be an indication whether the PSA has a value at the Collection level or at the granule level</p> <p>R:We need to capture the concept of the template of a granule PSA that is viewable from the collection.</p> <p>C:If the results are set up as always to return a Value at the Collection level if it exists, does that satisfy this requirement? Can the same PSA have a value at the Collection level and at the granule Level?</p>						
Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping		
Results		Client	Results Collection DTD	Model Modifications		
API-Data						
Collection						
Granule						

ID	Table	Column	Action	First Discussed	Status	BMGT
Description/	Recommended Action/	Comment/	Action			
147	GR_DISCIPLINE_KEY WORDS			7/16/2002	Open	<input checked="" type="checkbox"/>

D:Ask EDC for sample data where Keyword Stack are defined at the Granule level. There was a suggestion to look at Aircraft Scanner Dataset.

R:Talk to Stu Doescher and V0 EDC DAAC (KC).

Categories	Contacts	Stakeholders	DTDs Affected	Issue Grouping
Granule	EDC	Provider	Ingest Granule DTD	Model Modifications
API-Data	Michael Burnett	Client		
Discipline Keyword Stack				